

What is claimed is:

1. A method of recording data, comprising :
receiving a write instruction;
sensing a temperature around a disc drive;
enabling a write verify function when the sensed temperature is equal to or below a threshold temperature;
recording the data in a data sector of a disc;
reading the recorded data and detecting a recording error; and
recording the data in a reserved sector of the disc when the recording error is detected in the detecting of the recording error.
2. The method for recording data according to claim 1, wherein the write verify function repeats the enabling of the write verify function, recording of data, reading of the recorded data, and detecting of the recording error for a predetermined time.
3. The method for recording data according to claim 1, further comprising disabling the write verify function if the temperature around the disc drive is detected to be greater than the threshold temperature and then only recording the data in a data area of the disc.
4. The method for recording data according to claim 1, wherein the detecting of the recording error further comprises comparing data stored in a buffer with the read recorded data.
5. The method for recording data according to claim 1, wherein the recording of the data in the reserved sector of the disc further comprises designating one of a plurality of reserved sectors in the disc, which is a magnetic disc, when the recording error is detected, and recovering the data recorded in the data sector and recording that data in the designated reserved sector.
6. The method for recording data according to claim 1, wherein the reserved sector of the disc is in an inner radial reserved area of the disc separate from a user data area of the disc including the data sector.
7. The method of recording data according to claim 1, wherein the recording error is detected based at least on an increased absolute value of a position error signal.

8. The method of recording data according to claim 1, wherein the recording error is detected based on at least a detection of an identification (ID) of a servo sector becoming difficult due to damage to the ID of the servo sector.

9. The method of recording data according to claim 1, wherein the threshold temperature is based on when recording performance begins to drop, in consideration of a contraction rate of a pole tip of the disc drive or a coercive force of the disc.

10. An apparatus for controlling a disc drive, comprising:
a buffer to store data inputted to and outputted from a host computer;
a thermal sensor to detect a temperature around the disc drive; and
a controller to enable a write verify function when the temperature detected by the thermal sensor is below a threshold temperature, detect for a presence of a recording error by reading and comparing data recorded in a data area sector of a disc with the data stored in the buffer, and seek a reserved track of the disc and generate an instruction to record data in a reserved sector of the disc when the recording error is detected.

11. The apparatus for controlling a disc drive according to claim 10, wherein the controller disables the write verify function if the temperature around the disc drive is greater than the threshold temperature, after which the controller records the data in a data area of the disc.

12. The apparatus for controlling a disc drive according to claim 10, wherein the controller designates one of a plurality of reserved sectors in the disc, which is a magnetic disc, when the recording error is detected, and recovers the data recorded in the data sector and records the data in the one reserved sector.

13. The apparatus according to claim 10, wherein the reserved sector of the disc is in an inner radial reserved area of the disc separate from the data area of the disc.

14. The apparatus according to claim 10, wherein the recording error is detected based at least on an increased absolute value of a position error signal.

15. The apparatus according to claim 10, wherein the recording error is detected based on at least a detection of an identification (ID) of a servo sector becoming difficult due to damage to the ID of the servo sector.

16. A data recording method of recording user data to a user data area of a medium, comprising:

detecting a temperature at a recording drive; and
recording user data in a reserved area of a medium when the detected temperature is below a threshold temperature.

17. The data recording method according to claim 16, wherein the recording of the user data to the reserved area further comprises:

recording user data to the user data area;
detecting an error in the recorded user data; and
recording the user data to the reserved area of the medium if an error is detected.

18. A medium comprising computer readable code controlling at least a computer to implement the method of claim 1.

19. A medium comprising computer readable code controlling at least a computer to implement the method of claim 5.

20. A medium comprising computer readable code controlling at least a computer to implement the method of claim 16.

21. A medium comprising computer readable code controlling at least a computer to implement the method of claim 17.